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Los Alamos Environmental Restoration Records Processing Facility

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ER Record I.D.# 0006464

ENVIRONMENTAL RESTORATION
Records Processing Facility
ER Record Index Form
(Side 1 of 2)

DATE RECEIVED: 07-27-92 PROCESSOR: LD

Part I: Complete all fields; indicate if not applicable or appropriate; please write legibly.

DOCUMENT TO: _____ DOCUMENT DATE: 10/01/79

ORIGINATOR NAME: William J Maramba ORGANIZATION: CMB

SYMBOL: _____ PAGE COUNT: 4

SUBJECT/TITLE: Management Plan for TA-21, DP West-Group
CMB-11 Plutonium Facilities

RECORD TYPE (Circle relevant type for primary record; type of attachments should be selected on Keywords List):

- | | | | | |
|-------------------------|-----------|----------------|------------------------|------------------|
| Analytical Data | FAX | Map | Plan | Study |
| Chain of Custody | Figure | Memo | Procedure | Telephone Record |
| Computer Output | Form | Microform | Purchase Request | Transcription |
| Contract | Interview | Notebook | Receipt Acknowledgment | Video |
| Controlled Distribution | Letter | Personal Notes | <u>Report</u> | Work Plan |
| Drawing | Logbook | Photo | Review | Other _____ |

RECORD CATEGORY: P

(P for Programmable or R for Reference)

RECORD PACKAGE #: _____

RECORD FILMED (Y/N): Y

RECORD LOCATION: _____

(Indicate location of record if not filmed.)

Part II: Complete all fields; indicate if not applicable or appropriate; please write legibly. Use ER Record Index Form Attachment Sheet if needed.

ATTACHMENTS FILMED (Y/N): _____

(Were attachments to this record filmed?)

LOCATION: _____

(Indicate location of attachments.)

| TECH AREA(S) | PRS NO(S) | ADS NO(S) | STRUCTURE NO(S)/MDA |
|---|--|--|--|
| <small>LIST RELEVANT TECH AREAS:</small> <p style="text-align: center;">21</p> | <small>LIST RELEVANT PRS NO:</small> <p style="text-align: center;">-</p> | <small>LIST RELEVANT TAG ADS NO(S):</small> <p style="text-align: center;">1106</p> | <small>LIST RELEVANT STRUCTURE NO(S)/MDA:</small> <p style="text-align: center;">21-257 21-4 21-254 21-46 21-9 21-229</p> |

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Part III: Complete all fields; indicate if not applicable or appropriate; please write legibly. Use *ER Record Index Form Attachment Sheet* if needed.

| WBS NO(S) | DOCUMENT TO | ORIGINATOR NAMES |
|---|--|--|
| <p><small>LIST RELEVANT WBS NO(S)</small></p> <p>1.5.13</p> | <p><small>LIST MULTIPLE DOCUMENTS</small></p> <p>_____</p> | <p><small>LIST MULTIPLE ORIGINATORS</small></p> <p>_____</p> |

CORRECTION (Y/N): _____
(Is this a correction to a record previously processed?)

CORRECTED #: _____
(If answer is Yes, please give ER Record # for corrected record.)

CORRECTION DESCRIPTION (Optional): _____

SUPERCEDE: _____ **REPLACE:** _____ **DELETE:** _____ **ADD:** _____ **REVISE:** _____

ATTACHMENT LIST

| |
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| |
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KEYWORDS: Circle relevant KEYWORDS from the list below for ER Record #: 0006464

MISCELLANEOUS (List other indexing criteria as necessary; please write legibly): Tech Area

| | | | | |
|---------------------------|---------------------------------|---------------------------|-------------------------|------------------------------|
| <u>Abandon</u> | | Controlled Distribution | Evacuation | HSWA (Hazardous and |
| Aboveground Tank | Cadmium | Core | Evaluation | Solid Waste |
| Absorption | Calsson | Corrective Action | Evaporator | Amendments) |
| Abstract | Calibration | Correspondence | Excavation | Hydrology |
| Accelerator | Canyon | Criteria | Exclusion | Hygiene |
| <u>Access</u> | Capacitor | | Exhaust | |
| Accident | Caustic | Data | Experiment | Implementation |
| Accumulation | <u>CEARP (Comprehensive</u> | Deadline | Explosive | Implosion |
| Acid | <u>Environmental Assessment</u> | Debris | Exposure | Impoundment |
| Active | <u>and Response Program)</u> | Decision Analysis | Extension | Inactive |
| Administrative | Comment | <u>Decommissioning</u> | Extraction | Incinerator |
| ADS (Activity Data Sheet) | CERCLA | <u>Decontamination</u> | <u>Facility</u> | Industrial |
| Adsorption | (Comprehensive | Deficiency | Farm | Injection Well |
| AEC (Atomic Energy | Environmental Response, | Deliverables | FAX | Inorganic |
| Commission) | Compensation, and | Demolition | Fence | Inspection |
| Aerial | Liability Act) | Description | Field | Installation |
| Agenda | Certification | Detection | Figure | Interim |
| Agreement | Cesium | Detonation | Filter | Interim Action |
| Air | Chain-of-Custody | Development | FIMAD (Facility for | Internal |
| Alpha | Chamber | Discharge | Information Management, | Interview |
| Americium | Change Control | <u>Disposal</u> | Analysis, and Display) | Inventory |
| Analysis | Change Order | Documentation | Finding | Investigation |
| Analytical | Charge | DOE (Department of | Fire | IRM (Interim Remedial |
| AOC (Area of Concern) | Chart | Energy) | Firing Site | Measure) |
| Approval | Checklist | DOQ (Data Quality | Fiscal | Isotops |
| Aquifer | Chemical | Objectives) | Five Year Plan | IWP (Installation Work Plan) |
| ARAR (Applicable, | Chromium | Draft | Flowchart | |
| Relevant, or Appropriate | Cleanup | Drainage | Fluid | Lab Job |
| Requirements) | Clearance | Drainline | Form | Laboratory |
| Archaeology | Clothing | Drawing | Framework | Lagoon |
| Archive | Closure | Drilling | Free | <u>Land</u> |
| Area | CMI/RA (Corrective | Drop Tower | Fuel | Landfill |
| Arsenic | Measures | Drum | | Laundry |
| Asbestos | Implementation/Remedial | Dry Well | Gamma | Leach |
| Asphalt | Action) | Dump | Gas | Lead |
| Assessment | CMS/FS (Corrective | Duplicates | Generation | Lead |
| Audit | Measures Study/ | | Generic | Legal |
| | Feasibility Study) | Ecology | Geochemistry | Letter |
| Bacteria | Comment | Effluent | Geology | Limit |
| Barium | Committee | EIS (Environmental Impact | Geophysics | Lines |
| Baseline | Community Relations | Statement) | Glass Breaker | <u>Liquid</u> |
| BCP (Baseline Change | Compliance | Emission | Glove Box | List |
| Proposal) | Compressed Gas | Engineering | Graph | Log |
| Beds | Computer Modeling | Environmental | Guidance | Logbook |
| Bermed Area | Computer Output | Concern | Gun | |
| Beryllium | Concern | Concrete | Handling | Magazine |
| Beta | Concurrence | Concreteness | Hazardous | Management |
| Biology | Configuration | <u>Equipment</u> | Health | Manhole |
| Blank | Construction | ERDA (Energy Research | HE (High Explosive) | Map |
| Boiler | Container | and Development | History | <u>Material</u> |
| Boneyard | Containment | Administration) | Hole | MDA (Material Disposal |
| Buried | <u>Contaminant</u> | Erosion | Home Owner | Area) |
| Burn | Contract | Error | | Media |
| Burn Site | Control | ES&H (Environment, | | Meeting |
| | | Safety, and Health) | | |
| | | Estimate | | |

| | | | | |
|--|---|---|---|--|
| Memo | OSHA (Occupational Safety & Health Administration) | Radionuclide | Seminar | Testing |
| Mercury | OU (Operable Unit) | Rationale | Semivolatile | TLD (Thermoluminescent Dosimeter) |
| Metal | Outfall | RCRA (Resource, Conservation, and Recovery Act) | Septic | TOC (Table of Contents) |
| Microform | Outline | Reactor | Sewer | Townsite |
| Minimization | ----- | Receipt | Shaft | Toxic |
| Minutes | PA/RFA (Preliminary Assessment /RCRA Facility Assessment) | Acknowledgment | Shell | Tracking |
| MIS (Management Information System) | PCB (Polychlorinated Biphenyl) | Recommendation | Shot | Training |
| Mixed Waste | Permit | Reconnaissance | Silver | Transcription |
| MOA (Memo of Agreement) | Personal Notes | Records | Site | Transfer |
| Model | Personnel | Recovery | Sludge | Transformer |
| Modification | Personnel Qualification | Recycle | Soil | Transport |
| Money (Allocation, Appropriation, Budget, Cost, Funding, etc.) | Photo | Reduction | Solid | Treatment |
| <u>Monitoring</u> | Pilot Study | Reference | Solvent | Trench |
| Monthly Report | Pipe | Regulation | SOP (Standard Operating Procedure) | Trip Report |
| Mortar Impact Area | Pit | Release | SOW (Statement of Scope of Work) | Tritium |
| MOU (Memo of Understanding) | <u>Plan</u> | Remediation | Specific | TRU (Transuranic) |
| MSA (Major System Acquisition) | <u>Plant</u> | Removal | Spill | TSCA (Toxic Substances Control Act) |
| ----- | <u>Plutonium</u> | Report | Stack | Tuballoy |
| NEPA (National Environmental Policy Act) | Pollution | Request | Standard | Tuff |
| NFA (No Further Action) | Polonium | Requirements | Statistics | ----- |
| Nitrate | Polaroid | Research | Steamline | Underground |
| NMED (New Mexico Environmental Division) | Potential | Resin Bed | Steel | Uranium |
| NMEID (New Mexico Environmental Improvement Division) | Presentation | Resolution | Storage | Urine |
| NOD (Notice of Deficiency) | Prevention | Resource | Strontium | USGS (United States Geological Survey) |
| Non-explosive | <u>Procedure</u> | Response | <u>Structure</u> | UST (Underground Storage Tanks) |
| Notebook | Program | Restoration | Study | <u>Unity</u> |
| Notification | Programmatic | Restriction | Subcontractor | ----- |
| NPDES (National Pollutant Discharge Elimination System) | Project | Results | Subsurface | Validation |
| NRC (Nuclear Regulatory Commission) | Project Leader | Review | Summary | Variance |
| Nuclear | Propellant | Revision | Sump | VE (Value Engineering) |
| ----- | Property | RFI/RI (RCRA Facility Investigation/Remedial Investigation) | Support | Ventilation |
| Observation | Proposal | Risk | Surface | Ventilation |
| Off-gas | <u>Protection</u> | RPF (Records Processing Facility) | Surveillance | Verification |
| Oil | Protocol | ----- | <u>Survey</u> | Video |
| Open | PRS (Potential Release Site) | Safety | Swipe | Volatile |
| Open Burning | Public | Salamanca | SWMU (Solid Waste Management Unit) | Volume |
| <u>Operation</u> | Pump | Salvage | System | ----- |
| Order | Purchase Request | Sample | Tank | Warehouse |
| Organic | ----- | Sampling Plan | Task | <u>Waste</u> |
| Organization | Quality | Sanitary | TCLP (Toxicity Characteristic Leaching Procedure) | Water |
| ----- | QA (Quality Assurance) | Satellite | TDD (Technical Document Description) | WBS (Work Breakdown Structure) |
| Radioactive | QP (Quality Procedure) | Schedule | Technical | Weapon |
| Radiochemistry | Quarterly Report | <u>Scope</u> | Technical Team | Well |
| ----- | <u>Radioactive</u> | Scrap Detonation Site | Technology | Work |
| | Radiochemistry | Screening | Telephone Record | Working Group |
| | | Scrubber | Test Area | ----- |
| | | Security | | Zinc |
| | | Seep | | |

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MANAGEMENT PLAN FOR TA-21, DP WEST
-GROUP CMB-11 PLUTONIUM FACILITIES-

October, 1979

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CMB Division Leader

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PURPOSE

Decontamination of plutonium facilities at TA-21, DP West was part of the TA-55 Plutonium Facility construction project. Decontamination operations began in FY-1978 and are expected to be completed by FY-1981. This management plan describes the policies, procedures, approval authority, review responsibilities, indoctrination requirements, and monitoring practices that will be in effect upon completion of decontamination operations. These controls are designed to prevent future unnecessary exposures to the radioactive contamination left behind after decontamination efforts cease.

SCOPE

This plan primarily addresses the control of plutonium facilities previously used by CMB-11 for plutonium operations. Certain other facilities and land areas are included because of close proximity to DP West plutonium facilities and/or because of residual plutonium contamination conditions. The major CMB-11 plutonium facilities addressed by this plan are described in the General Plan for Future Occupancy of the DP-West Plutonium Facility dated November 9, 1978. Building 257, a liquid waste treatment facility, and waste disposal areas at TA-21, DP West are also addressed. Detailed location information for specific facilities and disposal areas can be found on the TA-21 DP-West Structure Location Plan Drawings No. ENG-R5113, Sheets 1 through 4 (see Appendix A).

This plan will be implemented as DP West decontamination activities cease and will remain in effect until changed by LASL management. Changes are subject to review and approval by H-Division.

I. Site/Facility Access

Access to the DP-West site will be controlled by the site security plan and by several administrative control procedures. The combined controlled features of these plans will limit access to potentially contaminated facilities and land areas to authorized personnel who are informed on site conditions. Brief descriptions of these plans follow.

A. TA-21 Security Plan

The Security Plan planned for TA-21 has the following salient features to control personnel admittance. The existing outer perimeter fence (colored red in Appendix A) will remain in place as well as the manned Guard Station located in TA-21-254 at the west end of the site. Buildings TA-21-14 and -46, Zia Crafts Shops; TA-21-9, Steam Plant, TA-21-229, Sewerage Treatment Plant,

1. Extensive contamination and penetrating radiation surveys.
2. Report documenting final radiological conditions.
3. Report documenting the location and character of plutonium contamination that is known or suspected to exist after feasible decontamination work is completed.
4. An information exchange meeting attended by management personnel from the receiving group, the health physics group, and the TA-21 area engineering section. CMB-11 and H-1 personnel responsible for decontamination and monitoring activities will also participate.
5. Documentation concerning the use restrictions and the health physics controls for future use of decontaminated areas.

B. Confinement and Coating Procedures

Considerable effort will be exerted to fix and confine remaining contamination that cannot be removed by feasible decontamination procedures. This will be necessary in building areas such as the attics and certain utility service tunnels which must remain to house critical building functions. Because these attic and tunnel areas cannot be decontaminated completely, contaminated and potentially contaminated surfaces will be coated with cold tar emulsion and/or painted. Remaining contamination level information and a description of the confinement procedure(s) used will be included in the Project Documentation system. Floor surfaces will be decontaminated and repaired, as required, to permit installation of sheet linoleum. Only unpainted, uncontaminated floor surfaces will remain uncovered.

All room wall and ceiling surfaces will be painted with a bright reddish/orange paint. This will be done prior to occupancy and renovation work in all rooms previously used for CMB-11 plutonium operations.

III. OPERATIONAL PHASE

Controls in this section describe procedures for assignment of the space, health physics monitoring of facilities and personnel, occupant training, and modification work controls.

A. Space Assignment Procedure

Floor space vacated by Group CMB-11 at TA-21 will be assigned by the Director's Office. This assignment will consider laboratory programmatic needs and restrictions and recommendations made by ENG and H-Division Offices. Group ENG-12 will coordinate space assignment activities.

At initial occupancy, workers will be told that the space was previously contaminated with Pu-239, Pu-238, etc., as applies to the specific area. Workers will be informed that the contamination was reduced to acceptable limits. The problems of inaccessible contaminated areas will be explained and occupants will be reindoctrinated annually. Records will be maintained of participation in indoctrination sessions. Alarm systems (criticality, fire, etc.) and emergency procedures shall be included in the indoctrinations.

D. Modification and Maintenance Work Control

Modification and maintenance work at TA-21 will be performed in accordance with instructions specified on ENG work order request or small job work order tickets or request forms. Both request forms have been amended to include specific ENG-4, Security, and Group H-1 review for work at TA-21 (see Appendix D).

IV. PROJECT DOCUMENTATION

The status of TA-21 DP West will be documented in a series of reports that will be prepared upon completion of decontamination activities. These reports will document the decontamination work performed, radiation survey instrumentation used, health physics procedures, decontamination techniques, and management procedures for contaminated equipment and materials. Transfer report for specific buildings/rooms will be compiled in this series of reports. Six (6) reports are presently planned and contents of these reports are outlined below. A set of updated site drawings will also be prepared to document and identify waste disposal areas, abandoned building locations, and the location of buried utility services.